

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L8	141	vertical\$4 near4 ("flow cell")	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 16:33
L10	61	centrifug\$6 near8 "flow cell"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 16:39
L11	2	centrifug\$6 near8 "flow cell" and (immiscib\$6 near4 (fluid\$2 or liquid\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 16:40
L14	5	"flow cell" and (centrifug\$6 same (immiscib\$6 near4 (fluid\$2 or liquid\$2)))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 16:42
S1	146	(pressur\$6 near4 gradient\$4) same (strata\$6 or stratif\$6)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 14:50
S2	88	(pressur\$6 near4 gradient\$4) same (strata\$6 or stratif\$6) same (fluid\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 14:50
S3	84210	("flow cell" or cartridg\$4 or casset\$4 or \$5array\$2 or \$5chip\$2 or immobiliz\$6) near6 (vertical\$6 or tilt\$4 or angle\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 14:53
S4	379	S3 and ("flow cell" or cartridg\$4 or casset\$4 or \$5array\$2 or \$5chip\$2 or immobiliz\$6) same (fluid\$2 near4 (layer\$2 or immiscib\$4 or densit\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 15:20
S5	1815	vertical\$4 near4 (substrate\$2 or surface\$2) same bubbl\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 15:21
S6	12	S5 and nucleic	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 15:22
S7	8	(vertical\$4 near4 nucleic) same (\$5array\$2 or \$5chip\$2 or immobiliz\$6)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 15:24

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S8	84	nucleic same ((vertical\$6 or tilt or angle\$4) near8 (\$5array\$2 or \$5chip\$2 or immobiliz\$6))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 15:25
S9	1124	nucleic and ((vertical\$6 or tilt or angle\$4) near8 (\$5array\$2 or \$5chip\$2 or immobiliz\$6))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 15:26
S10	762	nucleic and ((vertical\$6 or tilt\$4 or bevel\$4 or angle\$4) near4 (\$5array\$2 or \$5chip\$2 or immobiliz\$6))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 15:26
S11	48	nucleic same ((vertical\$6 or tilt\$4 or bevel\$4 or angle\$4) near4 (\$5array\$2 or \$5chip\$2 or immobiliz\$6))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 15:30
S12	1	"6681508".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 15:33
S13	1	"5085533".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 15:31
S14	22	pump\$4 near4 (immiscibl\$4 near4 (liquid\$2 or fluid\$2)) same vertical\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 15:35
S15	47	pump\$4 and ((immiscibl\$4 near4 (liquid\$2 or fluid\$2)) same vertical\$4 near4 flow\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 15:36
S16	34	(peck and leproust).in.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 15:36
S17	4	(peck and leproust).in. and "pressure gradient"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 15:37
S18	21	centrifug\$6 same ((\$5array\$2 or \$5chip\$2 or immobiliz\$6) and (immiscib\$5 near4 liquid\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 15:43
S19	3	centrifug\$6 same ((reagent\$2 near4 deliver\$4) and (immiscib\$5 near4 liquid\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 16:08

## EAST Search History

S20	141	vertical\$4 near4 ("flow cell")	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 16:25
S21	31	S20 and (centrifug\$6)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 16:10
S22	13	S20 and (centrifug\$6 same "flow cell")	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 16:33

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"6426184".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 11:15
S2	13329	(densit\$4 near4 (gradient\$2 or differen\$6)) and ((purg\$4 or interven\$5 or intermediat\$4 or wash\$4 or rins\$4) near4 (solution\$2 or fluid\$4 or buffer\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 11:19
S3	1013	(densit\$4 near4 (gradient\$2 or differen\$6)) same ((purg\$4 or interven\$5 or intermediat\$4 or wash\$4 or rins\$4) near4 (solution\$2 or fluid\$4 or buffer\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 11:19
S4	219	(densit\$4 near4 (gradient\$2 or differen\$6)) same ((purg\$4 or interven\$5 or intermediat\$4 or wash\$4 or rins\$4) near4 (solution\$2 or fluid\$4 or buffer\$2)) same (substrat\$2 or surface\$2 or \$5chip\$2 or \$5array\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 11:25
S5	77	S4 and (pressur\$4 same (gradient\$4 or differen\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 11:21
S6	14319	(semiconduct\$4 same (wash\$4 or process\$4 or prepar\$6)) and ((fluid\$4 or solution\$4 or bath\$4) same (densit\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 11:28
S7	577	(semiconduct\$4 same (wash\$4 or process\$4 or prepar\$6)) and ((fluid\$4 or solution\$4 or bath\$4) same (differen\$4 near4 densit\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 11:29
S8	105	S7 and (pressur\$4 near4 (differen\$4 or gradient\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 11:31
S9	878	S6 and (bubbl\$4 same (minimiz\$6 or eliminat\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 11:32
S10	24	S8 and S9	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 11:33

## EAST Search History

S11	61	S7 and S9	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 11:33
S12	215	(chamber\$2 or casset\$4 or cartridg\$2 or card\$2) same strata\$6 near3 (fluid or reagent or liquid)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 13:24
S13	84	S12 and (chamber\$2 or casset\$4 or cartridg\$2 or card\$2) near5 pressure	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 13:23
S14	1	"5617567".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 13:26
S15	46	("3618027"   "3670310"   "4128891"   "4497039"   "4498145"   "4575798"   "4631664"   "4670848"   "4791561"   "4807122"   "4829427"   "4893232"   "4901229"   "4918593"   "4930071"   "4930072"   "4933848"   "4947320"   "4967341"   "5133068"   "5168565"   "5226158"   "5239663"   "5386557"   "5386559"   "5408657"   "5488722").PN. OR ("5617567").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/19 13:25
S16	0	S15 and strata\$6 near2 (fluid or reagent or liquid)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 13:25
S17	0	S15 and (strata\$6 near2 (fluid or reagent or liquid))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 13:26
S18	19	("5617567").urpn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 13:27
S19	0	S18 and (strata\$6 near2 (fluid or reagent or liquid))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 13:35
S20	1	"6681508".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 13:27

## EAST Search History

S21	3534	(immiscib\$6 near3 (fluid\$2 or liquid\$2 or reagent\$2)) same pressure	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 13:29
S22	69	(immiscib\$6 near3 (fluid\$2 or liquid\$2 or reagent\$2)) same (pressure\$2 near4 gradient\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 13:31
S23	2541	strata\$6 near4 (liquid\$2 or fluid\$2 or reagent\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 13:32
S24	879	S23 and (chamber\$2 or cartridg\$2 or cassett\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 13:32
S25	185	S24 and (nucleic or dna or rna or \$5nucleotide\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 13:33
S26	41	S25 and (pressure\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 13:33
S27	2	("6681508" or "5617657").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 13:47

## EAST Search History

S28	154	("0685110"   "1533738"   "1856098"   "1979336"   "20020069565"   "2054275"   "2072841"   "2160474"   "2162897"   "2182570"   "2278383"   "2378934"   "2412171"   "2412379"   "2443510"   "2453176"   "2453177"   "2453178"   "2453962"   "2468283"   "2481358"   "2520691"   "2589757"   "2818770"   "2877051"   "3058245"   "3119565"   "3151811"   "3242330"   "3387396"   "3392466"   "3531635"   "3564740"   "3568927"   "3570156"   "3593444"   "3613264"   "3629958"   "3686494"   "3711698"   "3738036"   "3777379"   "3783036"   "3843244"   "3964194"   "3973340"   "4023289"   "4034493"   "4057921"   "4070777"   "4072855"   "4085533"   "4170035"   "4196899"   "4208848"   "4215500"   "4217315"   "4395835"   "4419283"   "4609974"   "4686784"   "4715136"   "4742439"   "4749126"   "4757625"   "4817311"   "4858083"   "4901922"   "4974127"   "4985811"   "5006375"   "5018288"   "5151829"   "5152210"   "5160086"   "5165781"   "5272604"   "5291674"   "5313727"   "5324224"   "5416994"   "5426877"   "5426878"   "5430629"   "5442869"   "5491916"   "5617657"   "5678918"   "5683174"   "5685097"   "5695119"   "5706594"   "5711099"   "5749799"   "5791078"   "5802750"   "5803580"   "5816884"   "5823661"   "5862984"   "5913595"   "5938318"   "5967639"   "5979091"   "5979791"   "6006461"   "6015216"   "6027774"   "6052930"   "6065850"   "6076741"   "6078426"   "6135604"   "6187394"   "6203394"   "6206536"   "6385880"   "6481128"   "D248632").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/19 13:35
S29	1	S28 and (strata\$6 near2 (fluid or reagent or liquid))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 13:35

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S30	1	"20020174577".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 13:36
S31	1871	(strata\$6 near4 (liquid\$2 or fluid\$2 or reagent\$2)) and pressur\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 13:39
S32	87	(strata\$6 near4 (liquid\$2 or fluid\$2 or reagent\$2)) and (pressur\$4 near3 gradient)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 13:39
S33	2	("4804082" or "6139708").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 13:53
S34	1	"6426184".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 13:53



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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	1	"6426184".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 14:15
L3	55422	("flow cell" or cartridg\$4 or casset\$4) same (tilt\$4 or angle\$2 or vertical\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 14:17
L4	15872	("flow cell" or cartridg\$4 or casset\$4) near4 (tilt\$4 or angle\$2 or vertical\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 14:17
L5	101	I3 and ((strata\$6 or stratif\$6) same (fluid\$2 or reagent\$2 or liquid\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 14:25
L6	1	affymax.as. and (strata\$6 same (fluid\$2 or reagent\$2 or liquid\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 14:22
L7	16	I4 and ((strata\$6 or stratif\$6) same (fluid\$2 or reagent\$2 or liquid\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 14:24
L8	3148	I3 and ((layer\$4) same (fluid\$2 or reagent\$2 or liquid\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 14:25
L9	1	I8 and ((immiscib\$4 near4 layer\$4) same (fluid\$2 or reagent\$2 or liquid\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 14:26
L10	70	I8 and (immiscib\$\$ same (fluid\$2 or reagent\$2 or liquid\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 14:35
L11	69	I8 and (immiscib\$4 same (fluid\$2 or reagent\$2 or liquid\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 14:31
L12	1	"5617657".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 14:36

## EAST Search History

L13	0	pressur\$4 near3 gradeint\$2 near4 (strata\$6 or stratif\$6)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 14:37
L14	13	pressur\$4 near3 gradient\$2 near4 (strata\$6 or stratif\$6)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 14:39
L15	145	pressur\$4 near3 gradient\$2 same (strata\$6 or stratif\$6)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 14:40
L16	13	l15 and (vertical\$4 near4 flow\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 14:40
S2	10	(peck or leproust).in. and ("deblocking" near4 fluid\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/16 15:47
S3	3	(gao).in. and "deblocking"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/16 08:46
S4	0	goa.in. and photogenerat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/16 08:46
S5	16	gao.in. and photogenerat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/16 08:46
S6	25	(peck or leproust).in. and "deblocking"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/16 13:53
S7	563	stratif\$6 near4 fluid\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 08:16
S8	7	S7 and nucleic	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/16 13:55
S9	15	stratif\$6 near4 fluid\$4 same wash\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/16 13:56

## EAST Search History

S10	31	(stratif\$6 near4 fluid\$4) and (cartridg\$2 or cassett\$2 or card\$2 )	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/16 14:56
S11	28	S7 and (pressur\$6 near4 gradient\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/16 14:01
S12	5	("6242266" or "6323043" or "6020475" or "6222030" or "6300137").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/16 14:03
S13	14	pulse\$2 near4 jet\$4 near4 monomer\$2	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/16 14:05
S14	6	S7 and "flow cell"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/16 14:39
S15	4	S11 and flow\$4 near4 cell\$2	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 08:18
S16	25	wilding.in. and mesoscale	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 08:25
S17	1	"6426184".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/16 15:19
S18	4	"449838".ap.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/16 15:49
S19	106	array\$2 same synthesi\$5 same (\$7diol or dms0)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/16 15:52
S20	70	S19 and nucleic	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/16 15:52
S21	563	stratif\$6 near4 fluid\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 08:17

## EAST Search History

S22	5	S21 and "cm/s"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 08:17
S23	234	S21 and (flow\$2 near8 rate\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 08:18
S24	8	S23 and flow\$4 near4 cell\$2	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 08:18
S25	25	wilding.in. and mesoscale	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 08:26
S26	19	S25 and (flow\$2 near8 rate\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 08:26
S27	819	(separat\$6 or purg\$4) near4 (fluid\$4) same (different\$5 near4 densit\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 09:11
S28	397	S27 and (flow\$4 near8 rate\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 09:12
S31	14	S28 and ((substrate\$2 or wafer\$2 or surface\$2) near4 wash\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 09:10
S32	58	S28 and stratif\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 09:08
S33	14	S28 and ((substrate\$2 or wafer\$2 or surface\$2 or \$5array\$2 or \$5chip\$2) near4 wash\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 09:13
S34	1119	(separat\$6 or purg\$4) near4 (fluid\$4) same (differen\$5 near4 densit\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 09:17
S35	552	S34 and (flow\$4 near8 rate\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 09:12

## EAST Search History

S37	29	S35 and ((substrate\$2 or wafer\$2 or surface\$2 or \$5array\$2 or \$5chip\$2) near4 wash\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 09:14
S38	53	S35 and ((substrate\$2 or wafer\$2 or surface\$2 or \$5array\$2 or \$5chip\$2) near4 (vertic\$6 or horizontal\$6))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 09:15
S39	33	S34 and nucleic	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 09:17
S40	119	(angl\$4 or inclin\$4) near8 (substrate\$2 or \$5chip\$2 or \$5array\$2 or surface\$2 or membran\$2 or semiconductor\$2 or wafer\$2) and S34	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 09:28
S41	9	S40 and nucleic	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 09:30
S42	84	S40 and (flow\$4 near4 rate\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 09:24
S43	739	(angl\$4 or inclin\$4) near8 (substrate\$2 or \$5chip\$2 or \$5array\$2 or surface\$2 or membran\$2 or semiconductor\$2 or wafer\$2) and (fluid\$6 same (differen\$6 near4 densit\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 09:29
S44	79	S43 and nucleic	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 09:32
S45	1198	flow same "cm/s"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 11:44
S46	106	(flow same "cm/s") same (prefer\$4 or advantag\$6 or improv\$6)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 09:39
S47	48	((flow\$4 near4 rate\$2) same "cm/s") same (prefer\$4 or advantag\$6 or improv\$6)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 09:40

## EAST Search History

S48	22	((flow\$4 near4 rate\$2) same "cm/s") and (fluid\$7 same (differen\$6 near4 densit\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 10:44
S49	0	(forman.xp. or forman.xa.) and (differn\$6 near4 densit\$6)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 09:55
S50	27	(forman.xp. or forman.xa.) and (differen\$6 near4 densit\$6)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 09:57
S51	0	afymetrix.as. and "flow cell"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 09:57
S52	225	affymetrix.as. and "flow cell"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 10:01
S53	42	"flow cell" and (tilt\$4 or angl\$4 or vertic\$6) and (pressur\$4 near4 gradient\$2) and (differen\$4 near4 densit\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 10:05
S54	249	("flow cell" or cartridg\$6 or cassett\$2 or card\$2 or \$5chip\$2 or wafer\$2) and (tilt\$4 or angl\$4 or vertic\$6) and (pressur\$4 near4 gradient\$2) and (differen\$4 near4 densit\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 10:19
S55	2	"6323043".pn. or "6242266".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 10:17
S56	466	semiconduct\$4 and (fluid\$6 same ((differen\$4 or gradient\$2) near4 densit\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 10:28
S57	160	S56 and (flow\$4 near4 rate\$2) and (pressur\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 10:22
S58	7	(semiconduct\$4 same wash\$4) and (fluid\$6 same ((differen\$4 or gradient\$2) near4 densit\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 10:29

## EAST Search History

S59	161	(semiconduct\$4 same wash\$4) and ((differen\$4 or gradient\$2) near4 densit\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 10:30
S60	4	S48 and (pressur\$6 near4 gradient\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 10:45
S61	490	"flow rate" same "cm/s"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 12:09
S62	57	S61 and nucleic	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 11:45
S63	31	"flow rate" same "cm/s" same (prefer\$4 or advantag\$6)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 12:20
S64	11	"flow rate" same "cm/s" same gradient\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 12:09
S65	1798	"flow rate" same (pressur\$4 near4 gradient\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 12:21
S66	9	"flow rate" same ((pressur\$4 near4 gradient\$2) near4 advantag\$6)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 12:35
S67	1	(\$5array\$2 or \$5chip\$2 or immobiliz\$6) and ("flow rate" same ((pressur\$4 near4 gradient\$2) near4 advantag\$6))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 12:24
S68	17	(\$5array\$2 or \$5chip\$2 or immobiliz\$6) and (flow\$4 same ((pressur\$4 near4 gradient\$2) near4 advantag\$6))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 12:27
S69	1	nucleic and (flow\$4 same ((pressur\$4 near4 gradient\$2) near4 advantag\$6))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 12:28
S70	16	nucleic and (flow\$4 same ((pressur\$4 near4 gradient\$2) same advantag\$6))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 12:28

## EAST Search History

S71	0	(fluid\$6 near4 flow\$2) same (pressur\$4 near4 gradient\$2) same "cm/s"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 12:35
S72	18	(fluid\$6 near4 flow\$2) same ((pressur\$4 near4 gradient\$2) near4 advantag\$6)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/19 12:35